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| | | Application Number | 10/693,419 | |
| | | Filing Date | 2003-10-23 | |
| | | First Named Inventor | J. Rodney Walton, Carlisle, MA | |
| | | Art Unit | 2467 | |
| | | Examiner Name | SMITH, MARCUS | |
| Sheet | 1 | of | 3 | Attorney Docket No: 020554 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ^{2(f) known} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | 001 | US6141388 | 10-31-2000 | Servais et al. | |
| | 002 | US6532225 | 03-11-2003 | Chang; Li Fung et al. | |
| | 003 | US6760882 | 07-06-2004 | Gesbert et al. | |
| | 004 | US6847828 | 01-25-2005 | Miyoshi et al. | |
| | 005 | US6940917 | 09-06-2005 | Menon et al. | |
| | 006 | US7035359 | 04-25-2006 | Molnar et al. | |
| | 007 | US7095709 | 08-22-2006 | Walton et al. | |
| | 008 | US7164669 | 01-16-2007 | Li et al. | |
| | 009 | US7248841 | 07-24-2007 | Agee; Brian G. et al. | |
| | 010 | US7283508 | 10-16-2007 | Choi et al. | |
| | 011 | US7551580 | 06-23-2009 | du Crest et al. | |
| | 012 | US20010031621 | 10-18-2001 | Schmutz, Thomas R et al. | |
| | 013 | US20020071445 | 06-13-2002 | Wu, Geng et al. | |
| | 014 | US20020126803 | 09-12-2002 | Jones, William W et al. | |
| | 015 | US20020132600 | 09-19-2002 | Rudrapatna, Ashok N et al. | |
| | 016 | US20030043887 | 03-06-2003 | Hudson, John E et al. | |
| | 017 | US20030060173 | 03-27-2003 | Lee, Yong-Suk et al. | |
| | 018 | US20030076797 | 04-24-2003 | Lozano, Angel et al. | |
| | 019 | US20030086514 | 05-08-2003 | Ginis, Georgios et al. | |
| | 020 | US20030092456 | 05-15-2003 | Dent, Paul Wilkinson et al. | |
| | 021 | US20030123381 | 07-03-2003 | Zhuang, Xiangyang et al. | |

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|-----------------------|-----------------------|---|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | 022 | US20030128658 | 07-10-2003 | Walton, Jay Rod; et al. | |
| | 023 | US20030147371 | 08-07-2003 | Choi, Sung-Ho et al. | |
| | 024 | US20030153320 | 08-14-2003 | Noerpel, Anthony et al. | |
| | 025 | US20030157953 | 08-21-2003 | Das, Arnab et al. | |
| | 026 | US20030161282 | 08-28-2003 | Medvedev, Irina; et al. | |
| | 027 | US20030165189 | 09-04-2003 | Kadous, Tamer; et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|--|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ² -Kind Code ⁴ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | 028 | WO01080510 | 10-25-2001 | AWARE INC [US] | <input type="checkbox"/> |
| | 029 | JP11069431A | 03-09-1999 | MITSUBISHI ELECTRIC CORP | <input type="checkbox"/> |
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